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Sideways ROM board

you must be accidency when by on you you come do not be removed by eventuring an ingrat accidency from toward. Produced by Have Developed to produced by Have Developed to the support collect which is supported and support to prevent our state of the support and the support of the support should report be state of the support and for Support and providency support and for Support and support to the Support and support and for Support and support and support and support Support

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Ressing Dragon cartridges Many people have been so-u

and what a commands for that the same which enter IDS, often the first occasion is which enter IDS, often the first occasion and set such devices as 20%s and the 27%s. And the same set of 27%s. And the same set of 27%s and the same set of 27%s and the same set of 27%s. And the same set of 27%s a

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Fig. S. COMMANDS TO MANDS TO M

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Scramble

Steve Gathercole presents a graphic laser bike game

locatines, so I I have incorporated error checks at all the data statements. As a large amount of data in needed for the high ideal I have also used error checks in the graphics data. This should help readers to spe in the listing.

The object of the game is to break.

to fine. Machine code has been used the sound effects and scripting. Program like intending the same strains and scripting the limit 61-90 in and pole machine soon limit 1900 intending 1

L - Number Nank 4 - 0006 4 - 0006 seption - 006 sehine Code Routings 60 - 3016 soons 3000 60 - 3016 side resultant 60 - 3016 side resultant 60 - 3016 side resultant 60 - 3016 side resultant

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infere them the sorvers, and taking ingomen a flor rether than the keyboard, are a supported.

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A memory map of all the user callabrounders is included, as well as a last of the useful locations used by Fine. There are solitions on the DOS, the file transagement system, the other control of the ward writing poor own stilling poor parts with by language or samples are likeway seellend throughout the last. Again the memoral referrouphout the last. Again the memoral referrouphout the last. Again the memorand CLOACF to load it auxilia. Using the CDCC command with a skining, needed of an address, allows you like Pleas, each and directly in Pleas, such as D2CC 200 and a skining and a property by each CLOGG. IMPUT. PRINT etc. Previsit bear section of the section of the section of effects and an another societies or load like see the specified. Channel numbers of ene used.

are also extensions to 1 to use the hires 51 co so you effectively go s 14-ffes' cartridge but grams can be loaded an

Dragondos commands. This package aling neally intended as a cheap already as to a complicated Basic running under Pier Dragon programe. Privatly and present Dragon programe. Privatly, and the electric programe Privatly, also available for Chagon Pier in the RMSS distaltance, which is also created for the CSS operating system. The electric privatly are intended to the CSS operating system in the comtemperature system allows, you to some size about any face of record you wan such as personnel, customer, accounting or club files.

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High-speed Compiler Brian Cadge looks at the Dynatist compiler from Composer 19 Table 8, one assistance in series in the rest look, control of the first 8 and 6 and 6

The vesser is set and decay. The vesser basic is since on the command is blave on at all time of the command is blave on at all time account of whether the command is opp or whether shought seach. For example, for example, and a size, that is a size, that is a search at an attention is made to a line, that the program, then if the program has just the program. Even if the program has just the program, the control of the program has just the program. The control of the program has just the program to the control of the program has just the control of the program has the program has just the control of the program has just the program has

program, cours in program nos) in time previously, no relat of lis poi male. An intermeter a frametine in suppressibilities.

Intermediate code

Advantacioni, a language can be pled and "intermediate" code beforring, using a Compate. This "time and machine code. All jumps are no to code in results a cross between and machine code. All jumps are no to adult amortim addresses and to adult amortim addresses and

for Of course, a complex carriet or code that is as efficient as a true ma code program, however, complete I rams can not many finder that can not many finder that can be briggered obtain. The tarset flasts complex to appear to the chapter is "Dystated" from a pulsariet — available either on day, of chridge. The various extremed here day.

Dynefest is capable of compiling

use of the advantages of a complier or changes are secessary. The conoffers both floating-point numbers (asby-normal Stack) and integer number the range –32798 to +32797. The astages at using integers is that they occupy has bytes per numbble, who floating pared numbers use 2 tryins, per variables are also accessed. I faster than floating-point once as the republished of the 6000 central process

opposition of the 6009 central sunt are used directly.

So, to get the best speeds of compiled programs, wheels should be used wherever possible of the first section of the firs

recor the program or configured in the program of the designed with said file designed with a short poset, STEP file order key is pressed with each file has been completed, and PRIMT file count goes to the primary file country of the country of the program of the country of t

Por the Dragon Tailey
Color Computers
The compiled program is an using
KESC and the break key is disabled these
is an ection to have the break key is desired. As it is desired to the same the break key is desired. If it is not to be a serious compiled and finding point and other special comments the aximple graphics are serious compiled — at runfirms the ROM is called directly. The compiled program is put into memory where the original listed.

to the organization converted to the more teachers. By an observed to the converted to the

Print a number (1980v)

The major advantage of Dynafast over

DRAGON tog-free program published, double for the program of the month. If you have any positions with the listings, please sond





150 PMODE4, 1: PCLS: SCREEN: , 1 160 FOR Y=12 TO 112 STEP NO 170 LINE(8,Y)-(28,Y+20),PSET,D 100 NEXT Y 190 DRAW BM18,12; DIOM. 10NR10ND10* 200 CIRCLE (8,62), 10,5,1,0,.25 210 CIRCLE (28,82), 10,5,1,-5,-75 220 CIRCLE (28,112),10,5,1,.25,.5 230 CIRCLE (8, 132) , 10, 5, 1, . 75, 1

Fig. 1. The board at the start of a game,

260 DRAW-RM14,361M22,481RM14,481M2 250 DRAW'SH14,861MID.921ND61M22.86 260 DRAW-BM16,136;RB;M16,148;RS-270 BET(8,12)-(28,32).x.m 280 GET (8,62) - (29,82) . Y. ft

10 FIEM MEANDER TO BEE INITIALIZATION AND TITLES 30 DIMX(0,11),Y(0,11),2(0,11),8(9, 40 P16-"BM229,122;R2MR2U1492" 50 P26-"SP027, 122; NRSUSE2R662U3H2L

290 GET (8,112) - (28,132) , Z,G 300 FOR X=40 TO 208 STEP 20 310 LINE(X,12)-(X,172),PSET 330 LINE (46, 10) - (210, 174) PRET . P. 360 FOR Y=12 TO 172 STEP 20 350 LINE (48, Y) - (208, Y) , PSET 360 NEXT Y 370 PUT (48,12) - (68,32), X, PBET

70 PRINTETS,STRINGS(11,"+") BO PRINTEIOS, ". MEANDER ." 90 PRINTELS7, STRINGS(11, ***) 100 FOR I=1 TO ICCO,NEXT I 110 PRINTEZZA, "DO YOU WANT TIONS? (Y/N)*

380 PUT(188,152)-(208,172),X,PSEY 390 DRAW \$80228,22;010R6DEL6 400 DRAN-8M220, 361 NU10R6* 410 DRIM BM220, SOLUSMBELIAE IRAF 109-420 DRAW BM231,64;USNM228,54;M234, 430 DRAW BM228, 78; NR6USNR4USRA

120 Is-INCLYS! IF IS-" THEN 120 130 IF 16-"Y" THEN BOO 140 REM DROM ROOMD

440 DRAW BM220, 92: U10RSF 10381NLSM2

450 LINE (221, 105) - (241, 125) PSET, R

460 REM PLAY 820 FOR I=1 TO 20:SCREEN 1,0:SOUND 470 FOR X=0 TO 91FOR Y=0 TO 91A(X. Y)=0:NEXT Y, X 100,1:SCREEN 1,1:SOUND 150,1:NEXT 480 A(1,1)=1:A(8,8)=1:X=50:Y=22:X1 830 CLS: IF Pol THEN PRINTESS, "PLA YER I LOSES BY BOING OFF FROM DIG 490 IF X1>208 OR X1<40 OR V1>172 D E PRINTEGE, "PLAYER 2 LOSES BY GOIN R YIC12 THEN 820 G OFF EDGE" 500 DN P 60T0 510,520 510 DRAW"CO"+P1#+"C5"+P2#+P+2+BOTO 840 FOR I=1 TO 1000; NEXT I 850 PRINTERS, "FRESS SPACEBAN FOR 520 DROW*CO**P2#+*C5**P1#*P=1 ANOTHER GAME, " 530 IS-INCEYSIF IS-" THEN 530 GGO IN-INCEYS: IF IN-" THEN GGO 540 IF 150"K" OR 18>"Z" THEN 530 970 IF 18-" " THEN 150 ELSE STOP 550 ON AGC(19)-87 SOTO 540,580,400 980 REM INSTRUCTIONS 890 CL5 ,X,PSET:A((Y1-2)/20,(X1-38)/20)=1 900 PRINTEGS." THE DEJECT OF "MEAN 570 GOTO A30 DEW: IS TO COMPLETE A CONTINUOUS 580 PUT(X1-10,Y1-10)-(X1+10,Y1+10) LINE FROM THE TOP LEFT CORNER OF T .Y.PSET:A:(Y1-21/20,(X1-381/201=2 590 BOTO A30 . OR TO FORCE YOUR OPPONENT TO CA 600 PUT (X1-10, Y1-10) - (X1+10, Y1+10) RRY THE LINE OFF THE EDGE OF THE .Z.PSET:A((Y1-2)/20,(X1-38)/20)=3 DOARD. 910 PRINTIPRINT" SIMPLY TYPE IN TH 620 REM SEARCH FOR END OF LINE E LETTER OF THE PIECE YOU WISH Y 630 ON A ((Y1-2)/20, (X1-38)/20) BD O PLAY TO CONTINUE THE LINE." TO 640,680,720 920 PRINTERSI, PRESS ANY MEY TO CO 640 IF X1-X+20 THEN X-X1, Y-Y1, X1-1 *20:Y1=Y:80T0 760 ASO IF TI-X-20 THEN X-XI-Y-YI-XI-X 930 I#=INSEY#: IF I#="" THEN 930

-20+Y1=Y180TD 740 950 PRINTIPRINT" THE PIRST PIECE W AAO IF YI-Y-20 THEN X-XI-Y-YI-XI-O TILL BE PLACED ON THE SECOND SQUARE 1V1=Y-20180TD 740 OF THE TOP LINE, BO PLACING PIECE ATO IF Y1=Y+20 THEN X=X1:Y=Y1:X1=X 1Y1=Y+20190TD 7A0 Y AG THE FIRST HOVE OF A SAME AUTOMATICALLY LOSE THE ISSN AND IF XI-X+20 THEN X-X1:Y-Y1:X1-9 690 IF X1=X-20 THEN X=X1:Y=Y1:X1=9 760 PRINTESSA," PRESS ANY KEY TO P LAY. " 700 IF Y1=Y-20 THEN X=X1+Y=Y1+X1=9 970 IS-INCEYS: IF IS-" THEN 970 990 8070 150

710 IF Y1=Y+20 THEN X=X1+Y=Y1+X1=B 720 IF X1=X+20 THEN X=X1:Y=Y1:X1=X 730 IF KI-K-20 THEN X-KILY-YILXI-X

> Fig. 2. A possible position after 29 moves. of Player 2 now plays piece 'X' he will lear.

740 IF X1=190 AND Y1=162 THEN 790 770 IF A((Y1-2)/20, (X1-38)/20)=0 3 790 FOR I=1 TO 20:SCREEN 1.0:STEND 100,1:SCREEN 1,1:SOUND 150,1:NEXT 800 CLSLIF POI THEN PRINTETL, "PLAY

740 IF YI=Y-20 THEN E-X1:Y-YI:XI=9 -201Y1=Y180TD 7A0 750 IF VI=Y+20 THEN E=X1:Y=Y1:E1=9

1Y1=Y+20100TD 7A0

HEN 490 FLSE 670 780 REM END TITLES

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to Cassada dividual into 11 angiments to allow 500 400 Significan prompt me hostings of notice programms.

If a different speel lapse to used that user 510 Actions modely for any case also allow the many size to but the 500-500 Significant prompt me solvening the many size to but the 500-500 Significant prompt me solvening many size and the solvening me many size to but the solvening me many size to the solvening me many size to allow the solvening me many size to any size of the solvening value for that storage did not size for the solvening value for that size for the size for the size of the size for the size of the size for the size of the size of

then served at the state of the tape, and the first program on the menu is also served.

The tape is their newcons, and the 50-179 Sets up in 5 RCM

5 RSH
10 REM *** DIRECTORY ***
20 REM * WITH FAGT FORWARD *
30 REM * R. PAYERGON 7784 *
40 REM * R. PAYERGON 7784 *
50 CLEAR 1000:DIM X(18) NM*(18)

50 FOR N=0 TO 15: READ X(N), NP=(N): NEXT

70 OLS: FRINTE224, STRINGS (32, O-R8 (172)); STRINGS (12, "*"); "DIRECTORY"; STRINGS (12, "*"); TRINGS (12, "*"); TRINGS (12, "*"); TRINGS (12, "*"); "DIRECTORY"; STRINGS (12, "*"); "DIRECTORY (12, "*"); "DI

75 FOR D=1 TO 1000/NEXT/CLS 90 CH="PLEASE PRESS FAST FORMAND K EV" 90 DH="ON THE TAPE RECORDED="

D DB="ON THE TAPE RECORDER"

OO EB="THEN PRESS THE SPACEDAR"

TO FB="FLEASE PRESS THE PLAY BUTT

OF TH

120 DS-"PLEASE WAIT" 130 HS-"SEARCHING FOR" 140 JS-"LOADING" 150 PS-"SORRY NOTHING LISTED YET"

160 C=195:D=198:E=232 170 CLS 190 PRINTSTRINGE(14,"*");"MENU";ST RINGE(14,"*");STRINGE(32,CHRE(163)) PRINTETS,"PAGE: 10 F2" 200 FGR N=1 TO 9/PRINT" "{N|".

200 FOR N=1 TD 9/PRINT" "IN!".
"INP'HO INEXT N
210 PRINT'PLEASE SELECT DNE OF THE
ASOVE"
220 PRINT'OR PRESS enter FOR NEXT
PAGE"

230 INPUT N6:N=VAL(N6) 250 IF N=0 THEN 300 240 IF N=1 GR N9 THEN 270 ELSE 400 270 SURME200,4:SDTG 190

270 SIUMB200,4:EDTD 1479 300 FOR I=1088 TD 1479:PDREI,143:N EXT 310 PRINTE75, "PAGE 2 OF 2"

320 FRINTES, THEE 2 OF 2"
320 FRINT NO 10 10:PRINT" "N;"
"INP\$(N):NEXT N
330 FRINT-PLEAGE SELECT ONE OF THE ABOVE."

340 FRINT'OR PRESS enter FOR PAGE ONE" 350 INFUT NBIN-WAL(NB) 360 IF N+0 THEN 160 ELSE 370 370 IF N<10 OR N>18 THEN 380 ELSE 400

TO HENU" BLSE GOTO 450
420 AB-INSEVELIF AB="" THEN 420
430 IF AB="R" THEN 170
440 IF AB="C" THEN 420
450 DLS:IF N=1 THEN 500
450 PKINTEC,CE;" "D#," "E#
460 AB-INEXT#SIF AB=" " THEN 445 E

LSE 460 465 TIMER-O:MOTOR ON 470 DLS:PRINTEE,G# 475 PRINTE260,H#;" ";NP#(N) 480 IF TIMER/50>=X(N) THEN 490 ELS

490 MOTOR OFF 500 REM * LONDING * THEN 510 D.S.1F N°F ON -* THEN PRINTED, PSFFOR H-1 TO 1000 NEXT FR INT-16PF POSITIONED FOR SAVING PROGRAM "IN STOP 520 FEINTED, FR. "THE." "FR

570 BATA 0, ,0, ...,5, ...,10, ...,16, ...,24, ...,24, ...,57, ...,57, ...,57, ...,580 BATA 65, ...,72,



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40 DRAW'BM+18,+1|U2E2R2F1R1D1F182L 343" 50 DRAW'BM-1,+10|U1H2B1HIL1B1L1B1L 161R1F1R1E1R2F1E1R2" 60 DRAW'BM+1,-10|H1G1D1F1E1U1;BM-4

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